

RBH INWALL SPEAKER INSTALLATION AND INSTRUCTION MANUAL

Congratulations on your purchase of an RBH loudspeaker system! Your speakers are the result of many years of research and development dedicated to producing high quality products for home audio and audio/video systems. This manual is designed to give you, the installer or owner, basic information as to the speakers installation and operation.

FEATURES

All RBH inwalls* feature polyswitch protection circuitry that is designed to protect the tweeter from being overdriven. This circuit will automatically reset itself once the volume is turned down or the problem causing the circuit to activate is removed. Also featured are directional swivel tweeters* used to direct the sound to the main listening position.

Steep acoustic slope crossovers are used to integrate drivers. The use of steep crossover slopes allows high power handling, minimizes driver interaction anomalies, and maximizes the clarity with which each driver is able to produce its respective frequency band.

Most models have a tweeter position switch to allow a desired increase or decrease in treble response. When the switch is set to the + position, an increase of 3dB will result from the tweeter. When the switch is set to the - position, a decrease of 3dB will result from the tweeter.

INSTALLATION

RBH inwall speakers have been designed to make installation as easy as possible. Upon opening the speaker boxes you will notice that the retrofit nylon mounting bracket is attached to the speaker. As shown in the diagram below, installing RBH inwall speakers is easy and quick.

If using an RBH New Construction Bracket (NCB) for the size of speaker being installed, cutting the drywall should not be necessary. To install, slide the top of the black pinch ring into the opening so that the speaker bezel is on the outside of the drywall and the nylon retrofit bracket is on the inside. Slide the bottom of the speaker into the drywall the same way, then tighten the screws. This will cause the nylon bracket to "pinch" the New Construction Bracket (NCB) and drywall and will hold the speaker solidly in place. If using a drill/driver, set the clutch to a low setting to prevent overtightening and possible damage to the frame. If using hand tools, tighten just until firm.

When not using a New Construction Bracket (NCB), a cutout template is supplied with the speaker for your convenience in cutting the drywall. After the hole in the drywall is made, install the speaker using the same method described above. RBH inwall speakers can be installed into either the wall or the ceiling.

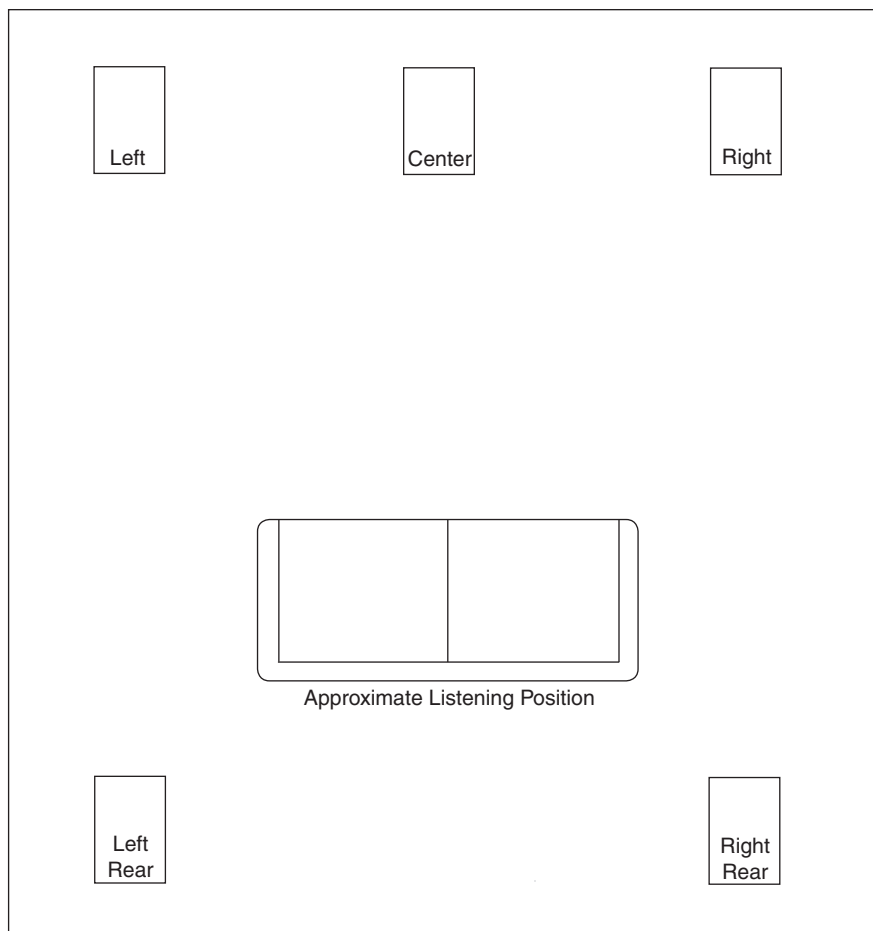
PAINTING

RBH inwall speakers and grilles can be painted any color to match any decor. A plastic paint shield is supplied and placed inside the grille to protect the speaker from becoming damaged during painting. **This plastic paint shield must be removed before operation of the speaker begins.**

SYSTEM SETUP

In order to extract the best possible sound from your speaker system, it is important to determine where the speakers will sound best in your listening room. First, consider your primary listening location and the aesthetics of the room. Second, we recommend that the distance from the listening position to each speaker should be close to the distance that separates the two main speakers. Angling the tweeters* inward towards the listening position may give a more spacious and realistic soundstage.

In home theater applications, the center speaker should be placed in the center between both left and right main speakers. This usually means placing the speaker above or below a television monitor, or above, below or behind (if acoustically transparent) a projection screen. The speakers may be placed in either a vertical or horizontal position. Surround speakers may be placed either behind or to the sides of the listening position. The listening position should be at the center of both surround speakers. You may want to experiment with angling the tweeters either toward or away from the listening position to create different surround effects.



NOTE: Diagram assumes that speakers are being installed in a wall.

Inwall Speaker Specifications

	A-509	A-610	A-810
Frequency Response:	60Hz - 20kHz	55Hz - 20kHz	50Hz - 20kHz
Sensitivity:	90 dB	90 dB	90 dB
Power Handling:	60 Watts	80 Watts	110 Watts
Drive Units:	1) 1" silk dome tweeter 1) 5 1/4" polypropylene woofer	1) 1" silk dome swivel tweeter 1) 6 1/2" polypropylene woofer	1) 1" silk dome swivel tweeter 1) 8" polypropylene woofer
Crossover Frequency:	3000 Hz.	2800 Hz	2500 Hz
Impedance:	8 Ohms	8 Ohms	8 Ohms
Finished Dimensions:	7 1/2W x 11H x 2 3/4D	8 5/8W x 12H x 3D	10 1/8W x 14 1/8H x 3 3/4D
Cutout Dimensions:	6 3/8W x 9 3/4H	7 1/2W x 11H	9W x 12 3/4H
Weight:	6 lbs.	6 lbs.	8 lbs.

	TK-6	TK-8	MC-6
Frequency Response:	50Hz - 20kHz	50Hz - 20kHz	50Hz - 20kHz
Sensitivity:	87 dB	87 dB	87 dB
Power Handling:	100 Watts	110 Watts	120 Watts
Drive Units:	1) 1" aluminum dome swivel tweeter 1) 6 1/2" woven fiberglass woofer	1) 1" aluminum dome swivel tweeter 1) 8" woven fiberglass woofer	1) 1" aluminum dome swivel tweeter 1) 6 1/2" aluminum woofer
Crossover Frequency:	3000 Hz	2750 Hz	3000 Hz
Impedance:	8 Ohms	8 Ohms	8 Ohms
Finished Dimensions:	8 5/8W x 12H x 3D	10 1/8W x 14 1/8H x 3 3/4D	8 5/8W x 12H x 3D
Cutout Dimensions:	7 1/2W x 11H	9W x 12 3/4H	7 1/2W x 11H
Weight:	6 lbs.	8 lbs.	6 lbs.

	MC-8	MC-414	MC-616
Frequency Response:	45Hz - 20kHz	55Hz - 20kHz	50Hz - 20kHz
Sensitivity:	87 dB	91 dB	91 dB
Power Handling:	150 Watts	150 Watts	180 Watts
Drive Units:	1) 1" aluminum dome swivel tweeter 1) 8" aluminum woofer	1) 1" aluminum dome swivel tweeter 2) 4" aluminum cone woofers	1) 1" aluminum dome swivel tweeter 2) 6 1/2" aluminum cone woofers
Crossover Frequency:	2500 Hz	4000 Hz	3500 Hz
Impedance:	8 Ohms	6 Ohms	6 Ohms
Finished Dimensions:	10 1/8W x 14 1/8H x 3 3/4D	7 1/4W x 15 3/8H x 3 1/2D	9W x 20 1/4H x 3 3/4
Cutout Dimensions:	9W x 12 3/4H	5 3/4W x 14H	7 1/2W x 18 9/16
Weight:	8 lbs.	6 lbs.	9 lbs.

WARRANTY

Your RBH Sound inwall loudspeaker is covered by a limited warranty against defects in materials and workmanship for a period of twenty-five (25) years from the original date of purchase. This warranty is provided by the authorized RBH Sound dealer where the loudspeaker was purchased. Warranty repair will be performed only when your purchase receipt is presented as proof of ownership and date of purchase. Defective parts will be repaired or replaced without charge by your dealer's store or the location designated by your dealer that is authorized to service RBH products. Charges for unauthorized service and transportation cost are not reimbursable under this warranty. This warranty becomes void if the product has been damaged by alteration, misuse or neglect. The warrantor assumes no liability for property damage or any other incidental or consequential damage whatsoever which may result from the failure of this product. Any and all warranties of merchantability and fitness implied by law are limited to the duration of this express warranty. Some states do not allow limitations on how long an implied warranty lasts, so the above limitations may not apply to you. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.



REDEFINING THE WAY YOU EXPERIENCE SOUND